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when the oxygen density sensor is in its activated state after the engine has started;

a fault detecting means for detecting a fault in the interconnection with the power network;

a means for canceling the interconnection with the power network without stopping the engine when the fault detecting means detects a fault, and resuming the interconnection with the power network when the fault is removed; and

a means for stopping the engine when the interconnection is canceled for a predetermined length of time due to the fault detection.